

SATELLITE ACCUMULATION AREAS
REVISED 03/10/2007

Bldg	POC	Type of area					Waste Codes	Waste Description
		HW	Oil/Oily rags	Universal	Project	Parts Washer		
A41	Eugene Ward 1406				•		Non	Hydraulic oil from antenna changes
B31 Testing	Henry Henry 2026	•					F002	Inhibisol rags (1,1,1 TCE)
B31 GM	John Conquest 1485		•				Non	Used oil from mowers
D1 N Hangar	Jeff Sigrist 1919	•	•	•	•		D001, D035, F005, D002, D007; F001; D001; Non; UW; D001, F003, F005, D035	MEK rags(D001 F005 D035), Methylene Chloride (F001) used for stripping airplane parts prior to painting, JP8 (D001), Oil (non), oily rags (non), spray cans(D001 and non), UW batteries, Paint thinner (D001 F003F005D035)
D1 N120 AA1	Dave Smith 4632	•					F001 F003 F005	Solvent rags w/ MEK, Acetone, Inhibisol used on aircraft parts
D-1 Baysys Hangar		•					D001, Non	JP-8, oily rags
D-1 S107 Baysys	Kevin Lovell 4640	•					D002,D007	Alodine and water
D2						•	non	Nonhaz PW
D8	Russel Fish 2120		•			•	Non	Oily rags, PW from cleaning boiler parts
D37	Eddie Gray 1122	•					D001	JP8/JPTS fuel samples aircraft fuel storage tanks
D50	Cliff Taylor 1083		•				Non	Used oil from maintenance at FOTW
E2 front	Ralf Wooten 1502			•			D011,UW	Silver in Photoprocessing chemicals, UW batteries
NASA Hobby Shop	Will Mast Dwayne Turley 1468							
E10	Shane Whealton 1090		•				non	Oily rags, used oil
F7 140	Greg Parks 1490	•					F001,F003	Methylene Chloride, Acetone and MIBK rags
F7 105	Jim Lagarde 1165			•			UW	Universal waste batteries
F7 126	Henry Hart 1218	•					F003, F005	MEK, acetone rags
F7 142	Fritz Stapf	•					F003, F005s	MEK, acetone rags
F10 various	Glenn Finney 1523 Harold Farrington	•	•			•	F003, D008, Non	Acetone rags, Nonhaz cutting fluid, oil, and blaster grit containing lead from machine shop for rocket assembly
F10A	Glenn Finney 1523		•				Non	Used oil from machine shop
F10B	Ken Tull 1239	•					D001 F003F005	Petroleum Naptha from cleaning paint gun

		Type of area						
F10 W301, N103, N230	Harold Cherrix 1788	•					D008	Solder past and wipes from circuit board for rockets
F10 W302	Dale Henderson 1739			•			UW	Nicad batteries from rockets
		HW	Oil/Oily rags	Universal	Project	Parts Washer		
F10 ACS	Jerry Doyon 1100	•					D001, F003	Acetone and alcohol rags,
F16 Etron	Tony Webster 1953			•			UW	Universal waste batteries
F16EI	Kenny Taylor 1446	•	•	•			D009, F001,UW	Crushed fluorescent tubes from maintenance, 111tce & tetra rags, oily rags, UW lead acid batteries,
F16AC	Rodney Beasley 1511		•	•			Non, UW	Refrigerant oil, oily rags, UW batteries, thermostats from changeouts
F16G	Larry Thornton 1451	•	•			•	Non, D018 D039, Non	Used oil, fuel filters, nonhaz PW
F16PS	Tom Chance 1878 57-428 Brett Mariner 1895	•					All are D001, D035, F003, F005	Paint related materials, thinner, paint, paint rags
F-160 C125	Bob Swift 1432			•			UW	UW Batteries
F160 E113, E114 and E115	Monica Borowicz 1023	•					D001, various	JP8, various outdated chemicals from chemical laboratory
M15	Ernie Cornwell 2548,57-340	•	•				F002, F003, non	methylene chloride rags, acetone rags, oily rags
M15 Storage bay	Ernie Cornwell 2548,57-340	•					D003	Reactive trimmings from rocket motors
N-159 E106	Earl Frederick 1018			•			UW	Lead acid batteries
N159 PB	Henry Henry 2026	•					D001, D035, F003, F005	Paint Waste, Paint Thinner
N159 hangar	Ed Sudendorf 1240				•			Visiting aircraft waste
N159 BL	Ed Sudendorf 1240	•		•			UW; D002, D006	UW Batteries, Electrolyte from battery refills
N159 BGC Lab	Carolyn Makimen 2176	•					F003, non	Acetone, Methanol, Oxazine 1perchlorate (non) from bio lab
F27	Larry Thornton 1451	•					D001, D018	Gasoline and absorbent from filling station overfills
N162 Rm 114	Dan Bowden 1621			•			UW	UW NiCad batteries from antennae controls changeouts
N165	Steve Sayers 1556 Phil Martin		•		•	•	Non, D006	Used oil from antenna changes, PW Nonhaz
NOAA	Gregg Frostrom 824-7346 Gordon Chancey Doug Crawford 824-7375	•	•	•			D001, D035, F003, F005; non	Paint thinner, UW fl tubes, Used oil, Oily rags from maintaining antennae, Aerosol can crusher

HAZARDOUS WASTE DISPOSAL INVENTORY

Site: Greenbelt ☐

Wallops Main Base (EPA ID# VA88800010763) ☐

Wallops Island (EPA ID# VA78000020888) ☐

GENERATOR INFORMATION

Date: 12/12/06	Sheet of	1. Containers shall be COMPATIBLE.
Name:	Code 231	2. Containers shall be CLOSED.
Phone	Bldg. D-37	3. Containers shall be LABELED.
	Room	4. Waste materials shall NOT be mixed.

WASTE INVENTORY

ITEM	WASTE DESCRIPTION <i>Describe material to be collected by its specific chemical constituents or by trade name.</i>	GENERATING PROCESS <i>Describe the work process that made the waste, e.g., expired shelf life, cleaning paint brushes.</i>	CONTAINERS <i>Type — Describe type, e.g., drum, plastic bottle, sealed bucket, etc.</i>			STATE <i>Check appropriate block.</i>			WASTE TRAIT <i>Insert appropriate code.</i>	
			No.	Size	Type	Gas	Liq	Solid	Trait	Code
310 1.	JP5 filters	changing filters	9	55		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	F	CA – Corrosive Acid (pH<2) CB – Corrosive Base (pH>12.5) F – Flammable (Flashpoint < 140F) NR – Non-Regulated Ox – Oxidizer Px – Peroxide R – Reactive (H ₂ O, air, or otherwise sensitive) T – Toxic Other (Specify)
2.	JP5 fuel	"	1	55		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	F	
3.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

GENERATOR COMMENTS

Have you received Resource Conservation and Recovery Act (RCRA) generator training within the last 12 months? ☒ Yes ☐ No
 Have you made a good faith effort to minimize your waste generation by considering substitutes or alternatives? ☒ Yes ☐ No

Comments. Indicate special requirements (if any) for collection of the waste material, e.g., restricted access to an area, appointment needed, generator wishes to monitor collection, etc.

Environmental Office Use

Date received: 12/12/06
 Date collected: 12/12/06
 Initials: MB/gw

GENERATOR CERTIFICATION

I hereby declare that the contents of this inventory are fully and accurately stated as described by their waste, process, and container parameters.

Printed Name E. Gray Signature *E. Gray* Date 12/12/06

At Greenbelt, when ready for pickup, you may e-mail the completed form by calling 6-9233 for an e-mail address, or fax it to 6-0368. Coordinate waste pickup by dialing 6-9233.
 At Wallops, when ready for pickup, e-mail completed form to wfnazw@pop200.gsfc.nasa.gov or fax it to x1819. Coordinate waste pickup by dialing x1718.

Florescent Bulb Crushing Operations

The bulb crusher, Dextrite ULC-55 FDA-E, will be operated and maintained in accordance with the manufacturer's recommendations which are attached. It will be operated indoors. The manufacturer certifies that the unit is designed to capture both particulate and vapor phase mercury. The filter is an, activated charcoal, and negative air flow unit.

Documentation from the manufacturer is attached that the filter is capable of achieving OSHA permissible Exposure Limit (PEL) for mercury of 0.10 milligrams per cubic meter in indoor ambient air and achieves a particle retention rate of 99.97 percent in the HEPA filter (at a particle diameter of 0.3 microns).

The drum containing the crushed bulbs will be labeled Universal Waste Lamps and dated with the date that the first bulb is crushed. The drum shall be closed, nonleaking and in good condition. The Environmental Office will be called before the drum is full or within 9 months of the date on the drum. All waste lamps will be recycled offsite within one year from the date of the first bulb entering the crusher.

All maintenance activities and dates of filter changes will be recorded in a log and recorded on the new filter.

All personnel involved in bulb crushing will receive initial training on bulb crushing procedures. In addition these personnel will attend annual RCRA generator training which addresses waste handling procedures and emergency procedures. Documentation shall be kept which documents that these trainings were held.

Filters or other spill material will be containerized and properly labeled

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PART XVI.

[Hazardous Waste](#)[Solid Waste](#)

ADDITIONAL UNIVERSAL WASTE MANAGEMENT PROVISIONS

[Voluntary Remediation](#)

9 VAC 20-60-1495. General Provisions

[Financial Assurance](#)

9 VAC 20-60-1505. Additional Universal Wastes - Mercury-containing Lamps

[Litter Prevention & Recycling](#)

9 VAC 20-60-1495. General Provisions

[Superfund Sites](#)

A. Hazardous wastes defined to be universal wastes in the texts incorporated by reference at 9 VAC 20-60-260 and 9 VAC 20-60-273 and hazardous wastes as defined in 9 VAC 20-60-1505 shall be universal wastes for the purposes of these regulations, the Virginia Hazardous Waste Management Regulations.

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B. A universal waste maybe managed under the general provisions as hazardous waste or under the special provisions as universal waste. The generator shall determine under which provisions the waste shall be managed and subsequent management shall be consistent with that determination by the generator.

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9 VAC 20-60-1505. Additional Universal Wastes - Mercury-containing Lamps

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A. "Mercury-containing lamp" means an electric lamp into which mercury was intentionally introduced by the manufacture for the operation of the lamp. "Electric lamp" means the bulb or tube portion of a lighting device specifically designed to produce radiant energy, most often in the ultraviolet (UV), visible, and infrared (IR) regions of the electromagnetic spectrum. Electric lamps include, but are not limited to: incandescent lamps, fluorescent lamps, high pressure sodium lamps, high intensity discharge lamps, mercury vapor lamps, metal halide lamps, and neon lamps.

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B. A used mercury-containing lamp becomes a waste on the date the handler permanently removes it from its fixture. An unused mercury-containing lamp becomes a waste on the date the handler discards it.

C. In addition to the provisions of Part III and other parts of these regulations pertaining to universal wastes, the following special requirements apply to universal wastes that are mercury-containing lamps:

1. All handlers (both small quantity handlers and large quantity handlers) of universal waste must manage universal waste mercury-containing lamps in accordance with the requirement of 9 VAC 20-60-273 that apply to all universal wastes.

2. All handlers (both small quantity handlers and large quantity handlers) of universal waste must manage mercury-containing lamps so as to prevent releases of any universal waste or component thereof to the environment. This includes, but is not limited to:

a. Containing unbroken lamps in packaging that will minimize breakage during normal handling conditions;

b. Containing broken lamps in packaging that will minimize releases of lamp fragments and residues;

c. Managing lamps so as to minimize breakage;

d. Immediately containing all releases of residue from the lamps; and

e. Determining if any material resulting from a release, clean-up residues from a spill or breakage, or other solid waste generated from handling the lamps is hazardous waste in accordance with 9 VAC 20-60-261. If these wastes are found to be hazardous waste, they shall be managed under the requirements for hazardous waste contained in these regulations.

3. Universal waste mercury-containing lamps may be crushed or intentionally broken on-site to reduce their volume; however, breaking, crushing, handling, and storage must occur in a safe and controlled manner that minimize the release of mercury to the workplace and the environment and must comply with 29 CFR 1910.1000. The procedure for breaking, crushing, handling and storing of the lamps must be documented and use a mechanical unit specifically designed for the process and incorporating the

containment and filtration of process air flows to remove mercury-containing vapors and dusts.

4. In addition to the labeling and marking requirements of 9 VAC 20-60-273, universal waste mercury-containing lamps and containers of mercury-containing lamps must be labeled or marked clearly and legibly "Universal Waste Mercury-containing Lamps", "Waste Mercury-containing Lamps" or "Used Mercury-containing Lamps".

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Database updated through 21:11 V.A.R. February 7, 2005 (see cumulative table)

9VAC20-60-273. Adoption of 40 CFR Part 273 by reference.

A. Except as otherwise provided, the regulations of the United States Environmental Protection Agency set forth in 40 CFR Part 273 are hereby incorporated as part of the Virginia Hazardous Waste Management Regulations. Except as otherwise provided, all material definitions, reference materials and other ancillaries that are a part of 40 CFR Part 273 are also hereby incorporated as part of the Virginia Hazardous Waste Management Regulations.

B. In all locations in these regulations where 40 CFR Part 273 is incorporated by reference, the following additions, modifications and exceptions shall amend the incorporated text for the purpose of its incorporation into these regulations:

1. In 40 CFR 273.32(a)(3), the term "EPA" shall mean the United States Environmental Protection Agency or his designee.
2. In addition to universal wastes included in 40 CFR Part 273, other wastes are defined to be universal wastes in Part XVI (9VAC20-60-1495 et seq.) of these regulations. Part XVI also contains waste specific requirements associated with the waste defined to be universal waste therein. In 40 CFR 273.1, the definitions in 40 CFR 273.9, and wherever elsewhere in Title 40 of the Code of Federal Regulations there is a listing of universal wastes or a listing of hazardous waste that are the subject of provisions set out in 40 CFR Part 273 as universal wastes, it shall be amended by addition of the following sentence: "In addition to the hazardous wastes listed herein, the term "universal waste" and all lists of universal waste or waste subject to provisions of 40 CFR Part 273 shall include those hazardous wastes listed in Part XVI (9VAC20-60-1495 et seq.) of the Virginia Hazardous Waste Management Regulations as universal wastes, under such terms and requirements as shall therein be ascribed." Any listing of universal wastes in 40 CFR Part 273 shall incorporate the universal wastes set out in Part XVI in a manner identical to those included in the federal text; whether, for example, as in 40 CFR 273.32(b)(4), 40 CFR 273.32(b)(5), 40 CFR 273.39(b)(2), and 40 CFR 273.62(a)(20) or as items to be included in a calculation or requirement as in the definitions of "Large Quantity Handler of Universal Waste" and "Small Quantity Handler of Universal Waste."
3. In addition to the requirements for lamps contained in 40 CFR 273, the following requirements shall apply:
 - a. A used lamp shall be considered discarded and a waste on the date the generator permanently removes it from its fixture. An unused lamp becomes a waste on the date the generator discards it since that is the date on which he is deemed to have decided to discard it in accordance with 40 CFR 273.5(c)(2).
 - b. Universal waste lamps may be crushed or intentionally broken on the site of generation to reduce their volume; however, breaking, crushing, handling, and storage must occur in a safe and controlled manner that minimizes the release of mercury to the workplace and the environment and must comply with 29 CFR 1910.1000. The procedure for breaking, crushing, handling and storing of the lamps must be documented and use a mechanical unit specifically designed for the process that incorporates the containment and filtration of process air flows to remove mercury-containing vapors and dusts.
 - c. All handlers of universal waste (large or small quantity) who crush mercury-containing lamps under these universal waste regulations shall comply with the following provisions:
 - (1) The handler must use a mercury-containing lamp crusher indoors with air pollution controls that capture both particulate and vapor phase mercury. At a minimum, these controls must include, or must be equivalent to the protection provided by a HEPA filter, activated charcoal, and a negative air flow (vacuum) through the crusher unit. The crusher must have documentation from the manufacturer that demonstrates that the unit:
 - (a) Is capable of achieving the Occupational Safety and Health Administration Permissible Exposure Limit (PEL) for mercury of 0.10 milligram per cubic meter in indoor ambient air (under individual site-specific use conditions); and
 - (b) Achieves a particle retention rate of 99.97% in the HEPA filter (at a particle diameter of 0.3 microns).
 - (2) The handler must develop and implement a written procedure specifying how to safely crush universal waste lamps. This procedure must include: type of equipment to be used to crush the lamps safely, operation and maintenance of the unit in accordance with written procedures developed by the manufacturer of the equipment, and proper waste management practices. The handler must document maintenance activities and keep records of maintenance. In addition, the unit operator must receive training in crushing procedures, waste handling and emergency procedures (training must be documented).

(3) Residues, filter media, or other solid waste generated as part of the crushing operation, which are not being reclaimed and which exhibit any characteristics of a hazardous waste, must be managed in accordance with all applicable hazardous waste management requirements.

(4) The handler must ensure that spills of the contents of the universal waste lamps that may occur during crushing operations are cleaned up in accordance with 40 CFR 273.13 (d)(2) or 40 CFR 273.33 (d) (2).

(5) The handler must store the crushed lamps in closed, nonleaking drums or containers that are in good condition. Transfer of the crushed lamps to other drums or containers is not permitted.

(6) Drums or containers used for storage of crushed lamps must be properly sealed and labeled. The label shall bear the words "Universal Waste-Lamp(s)," "Waste Lamp(s)," or "Used Lamp(s)."

4. A small quantity handler having a waste subject to the requirements of 40 CFR 273.13(a)(3)(i) is also subject to 9VAC20-60-270 and Parts IV (9VAC20-60-305 et seq.), VII (9VAC20-60-420 et seq.), and XII (9VAC20-60-1260 et seq.) of this chapter.

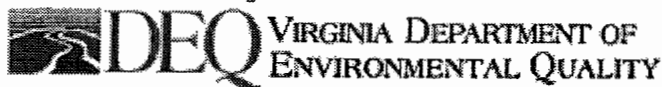
Statutory Authority

§§10.1-1402 and Article 4 (§10.1-1426 et seq.) of Chapter 14 of Title 10.1 of the Code of Virginia.

Historical Notes

Derived from Virginia Register Volume 15, Issue 9, eff. February 17, 1999; amended, Virginia Register Volume 18, Issue 11, eff. March 13, 2002.

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Virginia previously incorporated language in Part XVI of the hazardous waste management regulations that included mercury-containing lamps as a state-declared universal waste. Amendment 15 of the hazardous waste regulations, Section 9 VAC 20-60-273, incorporates the federal universal waste rule language by reference. Virginia included mercury containing lamps as a state-declared universal waste prior to the adoption of federal standards. General management requirements for these universal wastes (both small quantity handlers and large quantity handlers) are in accordance with the federal requirements as adopted by reference in 9 VAC 20-60-273, with certain additional provisions included from the previous Virginia regulations.

Please note that the "universal waste rule" does not authorize disposal of fluorescent lamps or other mercury-containing lamps in landfills.

There has been some confusion and misinformation on this point. Management of mercury containing lamps under Virginia's special provisions is based on a "recycling presumption", i.e., in order to qualify for the reduced management requirements the lamps must be collected or managed for recycling/reclamation within the general guidelines of the federal universal waste requirements. Lamps that are to be "disposed of" rather than legitimately recycled/reclaimed are subject to full regulation as hazardous wastes if they exhibit a hazardous waste characteristic. Generators who do not manage their mercury-containing lights under the universal waste conditional exclusion may refer to the previous Virginia guidance paper on fluorescent light management for disposal information.

Please note that broken lights unsuitable for reclaim, contaminated residues, and all other mercury-containing wastes not meeting the criteria of 9 VAC 20-60-273 are potentially subject to full regulation as hazardous waste. NOTE THAT 9 VAC 20-60-273 and Part XVI OF THE REGULATIONS APPLIES ONLY TO MERCURY-CONTAINING LAMPS AND DOES NOT INCLUDE ANY OTHER MERCURY CONTAINING DEVICES (e.g., thermometers, barometers, scientific instruments).

Mercury-containing Lamp Crushing

To encourage recycling and reclamation of mercury containing bulbs, Virginia does recognize and allow the use of bulb crushing devices meeting certain standards of operations. Crushed bulb residues may be managed for reclamation, not disposal, as a universal waste under these regulations. The specific requirements for management and use of bulb crushing devices may be found at 9 VAC 20-60-273. Please refer to the regulations for the specific language.

In general the requirements for bulb crusher operation specify that the crushers must be operated indoors, be equipped with pollution control devices (HEPA, activated charcoal etc.), and they must be certified that they will meet certain OSHA standards. The facility must develop a written procedure for their operation. Routine maintenance, operation, and filter changes must be in accordance with the manufacturer's directions, a logbook verifying their operation and maintenance must be maintained, and operators must be trained to operate them correctly.

Virginia adopted these standards because most commercial lamp crusher vendors certify that their equipment meets the OSHA standards we have adopted. In lieu of the operating facility being required to perform frequent, extensive, and expensive industrial hygiene surveys for mercury exposure, we believe that the manufacturer's claim is acceptable as long as the devices are operated in accordance with their certifications.

The handler must store the crushed lamps in closed, non-leaking drums or containers that are in good condition. Transfer of the crushed lamps to other drums or containers is not permitted.

For generators sending their lamps to universal waste reclamation/recycling facilities in other states -- as long as the receiving state recognizes the facility as a proper universal waste handler/reclaimer within its regulatory scope, operating for the purpose of recycling/reclamation of the subject universal wastes, Virginia DEQ will also accept such facilities as proper receiving facilities for crushed universal waste lamps. DEQ does not at present have information about facilities operating in other states, nor does DEQ maintain a list of "approved" facilities. Virginia generators managing their waste through facilities operating in other states are encouraged to contact the corresponding state agency for information on the facility's regulatory status. If receiving states will not accept crushed lamps for reclamation as a universal waste, the generator would be required to label and manifest in accordance with the receiving state's requirements at the time of off-site shipment.

Low Mercury Lamps

Several manufacturers have developed products marketed as "low mercury" lamps, and generally substantiate this claim by stating that they do not fail the TCLP characteristic for hazardous waste. DEQ does not specifically endorse any manufacturer's claim, but recognizes that many manufacturers provide this information to their customers in support of their low mercury lamp products.

Generators may use the manufacturer's claim to support a knowledge-based waste characterization determination. Ultimately, any waste management liability on the part of the generator would depend on the accuracy of the manufacturer's claim and the generator's subsequent reliance on that information in making their waste characterization decision. We have found that most manufacturers making this claim have substantial data to demonstrate their conclusions. However, please bear in mind that their data is specific only to their products; any aggregate waste stream may differ if it contains other lamps.

As a "best management practices" policy, Virginia DEQ encourages generators to manage all mercury containing lamps under the provisions of the Universal Waste Rule. Even though these lamps may be managed as a non-hazardous waste if they do not fail TCLP and would be acceptable for landfill disposal, DEQ strongly recommends that generators of substantial quantities of them recycle them as a Universal Waste. We believe this prudent and environmentally responsible position will not only ensure future longevity of our landfills but will also minimize possible load rejection by landfill operators and potential calls for legislation for an outright ban on all fluorescent lamp disposal in landfills, with consequent higher management costs for all.

last time batteries
picked up from Electric
Shop

HAZARDOUS WASTE DISPOSAL INVENTORY

Site: Greenbelt ☐ Wallops Main Base (EPA ID# VA88800010763) ☐ Wallops Island (EPA ID# VA78000020888) ☐

GENERATOR INFORMATION

Date: 2/8/07 Sheet 1 of 1
Name: _____ Code 228
Phone _____ Bldg. F-16 ELEC Room _____

1. Containers shall be COMPATIBLE.
2. Containers shall be CLOSED.
3. Containers shall be LABELED.
4. Waste materials shall NOT be mixed.

WASTE INVENTORY

ITEM	WASTE DESCRIPTION Describe material to be collected by its specific chemical constituents or by trade name.	GENERATING PROCESS Describe the work process that made the waste, e.g., expired shelf life, cleaning paint brushes.	CONTAINERS Type — Describe type, e.g., drum, plastic bottle, sealed bucket, etc.			STATE Check appropriate block.			WASTE TRAIT Insert appropriate code.	
			No.	Size	Type	Gas	Liq	Solid	Trait	Code
1.	Lead acid batteries	expired	20			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CAT	CA - Corrosive Acid (pH<2)
2.	oily rags	prev. main	1	bag		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NR	CB - Corrosive Base (pH>12.5)
3.	Ni-cad battery	expired	1			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CBT	F - Flammable (Flashpoint < 140F)
4.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		NR - Non-Regulated
5.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Ox - Oxidizer
6.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Px - Peroxide
7.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		R - Reactive (H ₂ O, air, or otherwise sensitive)
8.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		T - Toxic
9.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other (Specify)
10.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12.						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

GENERATOR COMMENTS

Have you received Resource Conservation and Recovery Act (RCRA) generator training within the last 12 months? ☒ Yes ☐ No
Have you made a good faith effort to minimize your waste generation by considering substitutes or alternatives? ☒ Yes ☐ No

Comments. Indicate special requirements (if any) for collection of the waste material, e.g., restricted access to an area, appointment needed, generator wishes to monitor collection, etc.

Environmental Office Use

Date received: 2/8/07
Date collected: 2/8/07
Initials: WFE

GENERATOR CERTIFICATION

I hereby declare that the contents of this inventory are fully and accurately stated as described by their waste, process, and container parameters.

Printed Name _____

Signature [Signature]

Date 2/8/07

At Greenbelt, when ready for pickup, you may e-mail the completed form by calling 6-9233 for an e-mail address, or fax it to 6-0368. Coordinate waste pickup by dialing 6-9233.
At Wallops, when ready for pickup, e-mail completed form to wffhazw@pop200.gsfc.nasa.gov or fax it to x1819. Coordinate waste pickup by dialing x1718.

DOUS WASTE DISPOSAL INVENTORY

NOAA batteries

Greenbelt ☐ Wallops Main Base (EPA ID# VA88800010763) ☐ Wallops Island (EPA ID# VA78000020888) ☐

GENERATOR INFORMATION

7/25/06	Sheet of	1. Containers shall be COMPATIBLE. 2. Containers shall be CLOSED. 3. Containers shall be LABELED. 4. Waste materials shall NOT be mixed.
	Code	
Bldg. NOAA	Room	

WASTE INVENTORY

WASTE DESCRIPTION <small>Describe material to be collected by its specific chemical constituents or by trade name.</small>	GENERATING PROCESS <small>Describe the work process that made the waste, e.g., expired shelf life, cleaning paint brushes.</small>	CONTAINERS <small>Type — Describe type, e.g., drum, plastic bottle, sealed bucket, etc.</small>			STATE <small>Check appropriate block.</small>			WASTE TRAIT <small>Insert appropriate code.</small>	
		No.	Size	Type	Gas	Liq	Solid	Trait	Code
Ni-MH		1			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NR	CA – Corrosive Acid (pH<2) CB – Corrosive Base (pH>12.5) F – Flammable (Flashpoint < 140F) NR – Non-Regulated Ox – Oxidizer Px – Peroxide R – Reactive (H ₂ O, air, or otherwise sensitive) T – Toxic Other (Specify)
Lithium		1			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	R	
Alkaline		38			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NR	
Emergillite Lead acid		6			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CAT	
Ni-Cd		2			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CBT	
Wet Lead acid		6			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CAT	
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

GENERATOR COMMENTS

Have you received Resource Conservation and Recovery Act (RCRA) generator training within the last 12 months? ☒ Yes ☐ No
 Have you made a good faith effort to minimize your waste generation by considering substitutes or alternatives? ☒ Yes ☐ No
Comments. Indicate special requirements (if any) for collection of the waste material, e.g., restricted access to an area, appointment needed, generator wishes to monitor collection, etc.

Environmental Office Use

Date received: 7/25/06
 Date collected: 7/25/06
 Initials: JFB

GENERATOR CERTIFICATION

I hereby declare that the contents of this inventory are fully and accurately stated as described by their waste, process, and container parameters.

Printed Name Gregg Frostom Signature [Signature] Date 7/25/06

At Greenbelt, when ready for pickup, you may e-mail the completed form by calling 6-9233 for an e-mail address, or fax it to 6-0368. Coordinate waste pickup by dialing 6-9233.
 At Wallops, when ready for pickup, e-mail completed form to wfhazw@pop200.gsfc.nasa.gov or fax it to x1819. Coordinate waste pickup by dialing x1718.

F-16 fluorescent tube crusher

HAZARDOUS WASTE DISPOSAL INVENTORY

Site: ☐ Greenbelt ☐ Wallops Main Base (EPA ID# VA88800010763) ☐ Wallops Island (EPA ID# VA78000020888) ☐

GENERATOR INFORMATION

Date: <u>11/24/06</u>	Sheet <u>1</u> of <u>1</u>	1. Containers shall be COMPATIBLE. 2. Containers shall be CLOSED. 3. Containers shall be LABELED. 4. Waste materials shall NOT be mixed.
Name:	Code <u>228</u>	
Phone	Bldg. <u>Elec Shop F-16</u> Room	

WASTE INVENTORY

ITEM	WASTE DESCRIPTION <small>Describe material to be collected by its specific chemical constituents or by trade name.</small>	GENERATING PROCESS <small>Describe the work process that made the waste, e.g., expired shelf life, cleaning paint brushes.</small>	CONTAINERS <small>Type — Describe type, e.g., drum, plastic bottle, sealed bucket, etc.</small>			STATE <small>Check appropriate block.</small>			WASTE TRAIT <small>Insert appropriate code.</small>	
			No.	Size	Type	Gas	Liq	Solid	Trait	Code
1	<u>Florescent tubes crushed</u>	<u>Univ waste</u>	<u>1</u>	<u>55</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>T/NR</u>	CA – Corrosive Acid (pH<2) CB – Corrosive Base (pH>12.5) F – Flammable (Flashpoint < 140F) NR – Non-Regulated Ox – Oxidizer Px – Peroxide R – Reactive (H ₂ O, air, or otherwise sensitive) T – Toxic Other (Specify)
2	<u>Alkaline batteries</u>		<u>6</u>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>NR</u>	
3	<u>lead acid batteries</u>		<u>6</u>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>CAT/NR</u>	
4	<u>Ni-Cd batteries</u>		<u>1</u>			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>CBT/NR</u>	
5						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

GENERATOR COMMENTS

Environmental Office Use

Have you received Resource Conservation and Recovery Act (RCRA) generator training within the last 12 months? ☒ Yes ☐ No

Have you made a good faith effort to minimize your waste generation by considering substitutes or alternatives? ☒ Yes ☐ No

Comments: Indicate special requirements (if any) for collection of the waste material, e.g., restricted access to an area, appointment requested, generator wishes to monitor collection, etc.

Date received: 11/24/06

Date collected: 11/24/06

Initials: MS/SW

GENERATOR CERTIFICATION

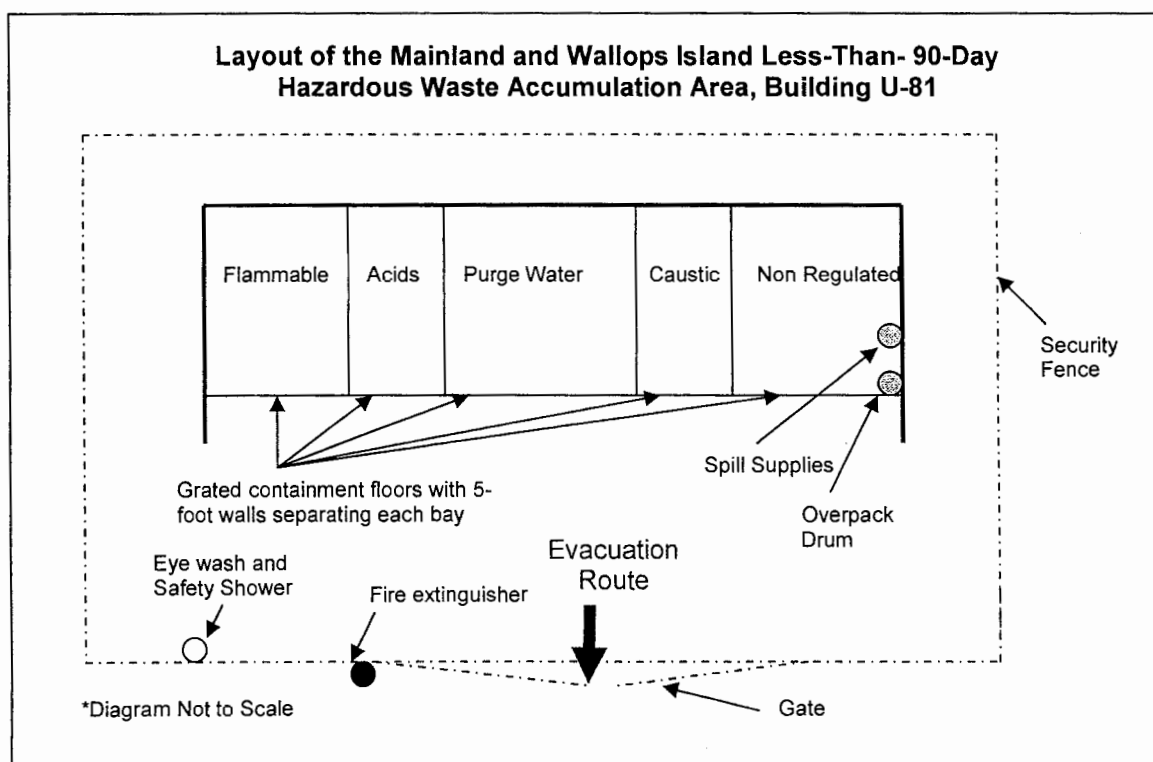
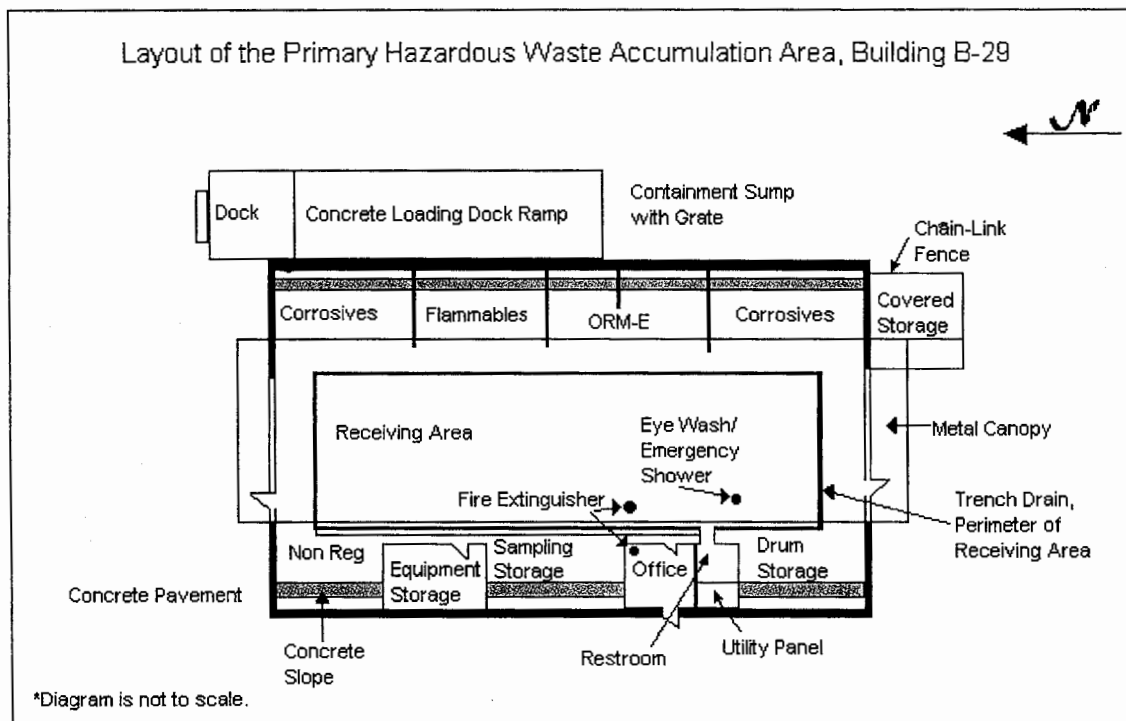
I hereby declare that the contents of this inventory are fully and accurately stated as described by their waste, process, and container parameters.

Printed Name: Sandra Phipps Signature: Sandra Phipps Date: 11/24/06

At Greenbelt, when ready for pickup, you may e-mail the completed form by calling 6-9233 for an e-mail address, or fax it to 6-0368. Coordinate waste pickup by dialing 6-9233.

At Wallops, when ready for pickup, e-mail completed form to wfhazw@pop200.gsfc.nasa.gov or fax it to x1819. Coordinate waste pickup by dialing x1718.

APPENDIX H HAZARDOUS WASTE ACCUMULATION AREAS AND EVACUATION ROUTES



INSPECTION RECORD

<90-DAY STAGING FACILITY

Site: Greenbelt ☐
 Wallops Main Base ☐
 Wallops Island ☐

INSPECTION INFORMATION

Location: Bldg. B29 Room _____ Date: 8/1/06
 Inspector's Signature Marianne Simko Time: 1:00

HAZARDOUS WASTE CONTAINERS

		Yes	No	N/A
Container Condition	Are any open?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any severely rusted or leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any container heads bulging?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any generating heat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any odors noticeable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked YES, please explain:

Describe actions taken to correct situation:

Container Markings	Are the contents marked on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are all containers marked as Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is the accumulation start date on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Earliest accumulation date on container(s)	Date: <u>No waste</u>		

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

STAGING FACILITY

Area Conditions	Is the area free of structural deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is aisle space adequate between containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are incompatibles separated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are security devices intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

EMERGENCY RESPONSE EQUIPMENT

Communication Device	Is it accessible in case of emergency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is it in working order?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spill Control	Is an empty salvage drum nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is unused absorbent material nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is pump nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety Protection	Is personal protective equipment nearby? <input type="checkbox"/> Gloves <input type="checkbox"/> Tyvek suit <input type="checkbox"/> Goggles <input type="checkbox"/> Respirator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is emergency eyewash/shower operational?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is a fire extinguisher readily accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

INSPECTION RECORD

<90-DAY STAGING FACILITY

Site: Greenbelt ☐
 Wallops Main Base ☐
 Wallops Island ☐

INSPECTION INFORMATION

Location: Bldg. B29 Room _____ Date: 7/21/06
 Inspector's Signature Marianne Linke Time: 11:50

HAZARDOUS WASTE CONTAINERS

		Yes	No	N/A
Container Condition	Are any open?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any severely rusted or leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any container heads bulging?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any generating heat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any odors noticeable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked YES, please explain:

Describe actions taken to correct situation:

Container Markings	Are the contents marked on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are all containers marked as Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is the accumulation start date on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Earliest accumulation date on container(s)	Date: <u>5/2/06</u>		

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

STAGING FACILITY

Area Conditions	Is the area free of structural deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is aisle space adequate between containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are incompatibles separated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are security devices intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

EMERGENCY RESPONSE EQUIPMENT

Communication Device	Is it accessible in case of emergency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is it in working order?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spill Control	Is an empty salvage drum nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is unused absorbent material nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is pump nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety Protection	Is personal protective equipment nearby? <input type="checkbox"/> Gloves <input type="checkbox"/> Tyvek suit <input type="checkbox"/> Goggles <input type="checkbox"/> Respirator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is emergency eyewash/shower operational?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is a fire extinguisher readily accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

INSPECTION RECOF

<90-DAY STAGING FACILITY

Site: Greenbelt ☐
 Wallops Main Base ☐
 Wallops Island ☐

INSPECTION INFORMATION

Location: Bldg. B29 Room _____ Date: 5/3/06
 Inspector's Signature Hannan Simo Time: 10:15

HAZARDOUS WASTE CONTAINERS

		Yes	No	N/A
Container Condition	Are any open?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any severely rusted or leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any container heads bulging?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any generating heat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any odors noticeable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked YES, please explain:

Describe actions taken to correct situation:

Container Markings	Are the contents marked on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are all containers marked as Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is the accumulation start date on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Earliest accumulation date on container(s)	Date: <u>5/2/04</u>		

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

STAGING FACILITY

Area Conditions	Is the area free of structural deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is aisle space adequate between containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are incompatibles separated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are security devices intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

EMERGENCY RESPONSE EQUIPMENT

Communication Device	Is it accessible in case of emergency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is it in working order?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spill Control	Is an empty salvage drum nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is unused absorbent material nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is pump nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety Protection	Is personal protective equipment nearby? <input type="checkbox"/> Gloves <input type="checkbox"/> Tyvek suit <input type="checkbox"/> Goggles <input type="checkbox"/> Respirator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is emergency eyewash/shower operational?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is a fire extinguisher readily accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

INSPECTION RECORD

<90-DAY STAGING FACILITY

Site: Greenbelt ☐
 Wallops Main Base ☐
 Wallops Island ☐

INSPECTION INFORMATION

Location: Bldg. B29 Room _____ Date: 5/4/25/06
 Inspector's Signature Marianne Sims Time: 10:00

HAZARDOUS WASTE CONTAINERS

		Yes	No	N/A
Container Condition	Are any open?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any severely rusted or leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any container heads bulging?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any generating heat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Are any odors noticeable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked YES, please explain:

Describe actions taken to correct situation:

Container Markings	Are the contents marked on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are all containers marked as Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is the accumulation start date on all containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Earliest accumulation date on container(s)	Date: <u>No waste</u>		

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

STAGING FACILITY

Area Conditions	Is the area free of structural deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is aisle space adequate between containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are incompatibles separated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are security devices intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

EMERGENCY RESPONSE EQUIPMENT

Communication Device	Is it accessible in case of emergency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is it in working order?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spill Control	Is an empty salvage drum nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is unused absorbent material nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is pump nearby?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety Protection	Is personal protective equipment nearby? <input type="checkbox"/> Gloves <input type="checkbox"/> Tyvek suit <input type="checkbox"/> Goggles <input type="checkbox"/> Respirator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is emergency eyewash/shower operational?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is a fire extinguisher readily accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of these questions were marked NO, please explain:

Describe actions taken to correct situation:

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID No. V A 0010763	2. Page 1 of 2	3. Emergency Response Phone (800) 535-5053	4. Manifest Tracking Number 000058776 VES
5. Generator's Name and Mailing Address SANGSFC WOLLOPS FLIGHT FAC IN BASE FACILITY DGF160 MAIL CODE 250 W WOLLOPS ISLAND, VA 23337		Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: 757 824-2121		U.S. EPA ID Number H J D D 8 0 6 3 1 3 6 9			
6. Transporter 1 Company Name VEOLA ES TECHNICAL SOLUTIONS		U.S. EPA ID Number 1 H D 0 0 9 8 6 5 2 5			
7. Transporter 2 Company Name PART TRUCKING COMPANY Inc.		U.S. EPA ID Number			
8. Designated Facility Name and Site Address VEOLA ES TECHNICAL SOLUTIONS 401 INFIRMARY ROAD EAST CARROLLTON, OH 45449		U.S. EPA ID Number C H D D 8 3 9 4 5 2 8 3			
Facility's Phone: 937 859-6101					
9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
X 1. WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1L CAPACITY), 2.1, UN1950, DOT-SP 11396		0 0 1 D M		00090	P
X 2. RO. WASTE FLAMMABLE LIQUIDS, n.o.s., (JP-5 JET FUEL), 3, UN1993, II, (D001)		0 0 2 D M		00000	P
X 3. RO. WASTE PAINT RELATED MATERIAL INCLUDING PAINT THINNING, DRYING, REMOVING, OR REDUCING COMPOUND, 3, UN1263, II, (D001 F003 F005)		0 0 1 D M		00400	P
X 4. RO. WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s., (JP-5 FUEL), 4.1, UN1225, II, (D001)		0 0 6 D M		01200	P
14. Special Handling Instructions and Additional Information FUEL 3) ERG 128 A-SRRFS-5* PAINT THINNER 4) ERG 133 A-SRRSOLID JP5 FUEL DEBRIS AND FILTERS - INFOTRAC ACCOUNT #88672 Seal # 0367000 Paid 1/25/07 Veola 3100 Hedley ST Phila PA 19137 Christopher C. Davis		1) ERG 128 A-SRR-AEROSOL FLAMM AEROSOLS 2) ERG 128 A-SRRFS-5* JP5JP4 3) ERG 128 A-SRRFS-5* PAINT THINNER 4) ERG 133 A-SRRSOLID JP5 FUEL DEBRIS AND FILTERS - INFOTRAC ACCOUNT #88672			
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.		Signature Joel Mitchell			
Generator's/Officer's Printed/Typed Name Joel Mitchell		Signature Joel Mitchell		Month 01	Day 24
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Ray Keener		Signature Ray Keener		Month 1	Day 23
Transporter 2 Printed/Typed Name Dennis W. COURT		Signature Dennis W. Court		Month 1	Day 25
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
18b. Alternate Facility (or Generator)		U.S. EPA ID Number			
Facility's Phone:					
18c. Signature of Alternate Facility (or Generator):		Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1. H141		2. H401		3. H401	
4. H401					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
Printed/Typed Name Linda L. Jarvis		Signature Linda Jarvis		Month 12	Day 13
		Year 107			

UNIFORM HAZARDOUS WASTE MANIFEST
(Continuation Sheet)

21. Generator ID Number

VA8800010763

22. Page

2 of 2

23. Manifest Tracking Number

000058770VES

24. Generator's Name

NASA/GSFC WALLPAPER FLIGHT FACIL

25. Transporter 3 Company Name

DART TOUCH NG COMPANY INC

U.S. EPA ID Number

04ND09465825

26. Transporter _____ Company Name _____

U.S. EPA ID Number _____

27a. HM 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

28. Containers

No.

Type

29. Total Quantity

30. Unit Wt./Vol.

31. Waste Codes

5. NON-RCRA LIQUID, n.o.s., NONE, NONE

008

DM

03200

P

NONE

NONE

1072

6. CHEMICALS, n.o.s., NONE, NONE

001

DF

00060

P

NONE

RW300

32. Special Handling Instructions and Additional Information

5) A BRPCL-NH MIXED OIL AND CUTTING FLUIDS 6) A BRPCLCONSOL PLC

33. Transporter 3 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H141

H141

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Land Disposal Restriction Notification Form

Generator Name NASA/GSFC WALLOPS FLIGHT FACIL
 EPA ID Number VAB000010763 Manifest 000058776VES

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number PS-07/1900000-003 (1/ 1)

WIP / Approval Code:	255260 / SRR-AEROSOL
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	D001 (IGNITABLE CHARACTERISTIC WASTE, OTHER THAN LIQUIDS $\geq 10\%$ TOC (INCLUDES ALL IGH. GASES, FLAMMABLE SOLIDS & OXIDIZERS))
Constituents (F001 - F005):	None
UHCs Present:	None
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

Container Number PS-07/1900000-004 (1/ 2)

WIP / Approval Code:	522660 / SRRFS<5"
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	D001 (IGNITABLE CHARACTERISTIC WASTE, LIQUIDS $\geq 10\%$ TOC PER 261.2 1(a)(1))
Constituents (F001 - F005):	None
UHCs Present:	Not Applicable
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

Container Number PS-07/1900000-004 (1/ 3)

WIP / Approval Code:	255275 / SRRFS<5"
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	D001 (IGNITABLE CHARACTERISTIC WASTE, LIQUIDS $\geq 10\%$ TOC PER 261.2 1(a)(1)), D035, F003 (NONE), F005 (NONE)
Constituents (F001 - F005):	None
UHCs Present:	None
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

Container Number: **PS-0771960000-003 (1/ 4)**

WIP / Approval Code: **322816 / SRRSOLID**
Form Designation / CWA Status: **Non-Wastewater / Non-CWA**
Waste Codes (Subcategories): **D001 (IGNITABLE CHARACTERISTIC WASTE, OTHER THAN LIQUIDS $\geq 10\%$ TOC (INCLUDES ALL IGN. GASES, FLAMMABLE SOLIDS & OXIDIZERS))**
Constituents (HMT - 30203): **None**
HMTs Present: **None**
Treatment Requirements: **Restricted waste requires treatment to applicable standards.**
Additional Notes:

I hereby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature

Carl Mitchell

Title

Environmental Engineer

Date

1/23/07

HAZARDOUS WASTE DISPOSAL INVENTORY

Site: Greenbelt ☐ Wallops Main Base (EPA ID# VA88800010763) ☐ Wallops Island (EPA ID# VA78000020888) ☐

GENERATOR INFORMATION

Date:	Sheet 1 of 1
Name: <u>Gregg Frostrom</u>	Code
Phone	Bldg. <u>NCAA</u> Room

WASTE INVENTORY

ITEM	WASTE DESCRIPTION <i>Describe material to be collected by its specific chemical constituents or by trade name.</i>	GENERATING PROCESS <i>Describe the work process that made the waste, e.g., expired shelf life, cleaning paint brushes.</i>	CONTAINERS <i>Type — Describe type, e.g., drum, plastic bottle, sealed bucket, etc.</i>			Che. bloc
			No.	Size	Type	Gas
160 1. <u>Flourescent tubes</u>		<u>expired</u>	<u>2</u>	<u>tube boxes</u>		<input type="checkbox"/>
161 2. <u>"</u>		<u>expired</u>	<u>1</u>	<u>rectangular box</u>		<input type="checkbox"/>
3.						<input type="checkbox"/>
4.						<input type="checkbox"/>
5.						<input type="checkbox"/>
6.						<input type="checkbox"/>
7.						<input type="checkbox"/>
8.						<input type="checkbox"/>
9.						<input type="checkbox"/>
10.						<input type="checkbox"/>
11.						<input type="checkbox"/>
12.						<input type="checkbox"/>

GENERATOR COMMENTS

Have you received Resource Conservation and Recovery Act (RCRA) generator training within the last 12 months? ☒ Yes ☐ No
 Have you made a good faith effort to minimize your waste generation by considering substitutes or alternatives? ☒ Yes ☐ No

Comments. Indicate special requirements (if any) for collection of the waste material, e.g., restricted access to an area, appointment needed, generator wishes to monitor collection, etc.

GENERATOR CERTIFICATION

I hereby declare that the contents of this inventory are fully and accurately stated as described by their waste, process, and container pa

Printed Name Gregg Frostrom Signature Gregg W. Frostrom Date 10/12/06

At Greenbelt, when ready for pickup, you may e-mail the completed form by calling 6-9233 for an e-mail address, or fax it to 6-0368. Cc
 At Wallops, when ready for pickup, e-mail completed form to wfhazw@pop200.gsfc.nasa.gov or fax it to x1819. Coordinate waste picku